SPECIFICATION AMENDMENTS

Please amend the Abstract as follows:

Methods and systems for automatically verifying a hardware design based on a hardware specification document ~~are disclosed. A plurality of predefined elements can be designed within a hardware specification document, wherein the hardware specification document provides a hardware design for a hardware device.~~ Hardware descriptions to be designed according to a hardware specification document are created. A document writer can follow a specified procedure including the use of register map tables, address map tables and register descriptions to create the hardware descriptions. ~~The plurality of predefined elements can be stored within a database of hardware components, wherein each predefined element of the plurality of predefined elements is associated with a hardware component of the hardware device.~~ Flags are embedded in the document which document is then saved for use by internal/external engineers. The used document, which has been saved as a text-only file, is read by a document parsing utility which creates a database of hardware components. Physical components of the hardware device can then be compared with elements maintained within the database upon an initial power-up of the hardware device. RTL auto-generation and software auto-generation modules can be used to ensure that the RTL hardware description complies with the hardware specification.